

# Extraterrestrial Samples at JSC

The curation of all  
extraterrestrial material  
under NASA control,  
including future NASA  
missions



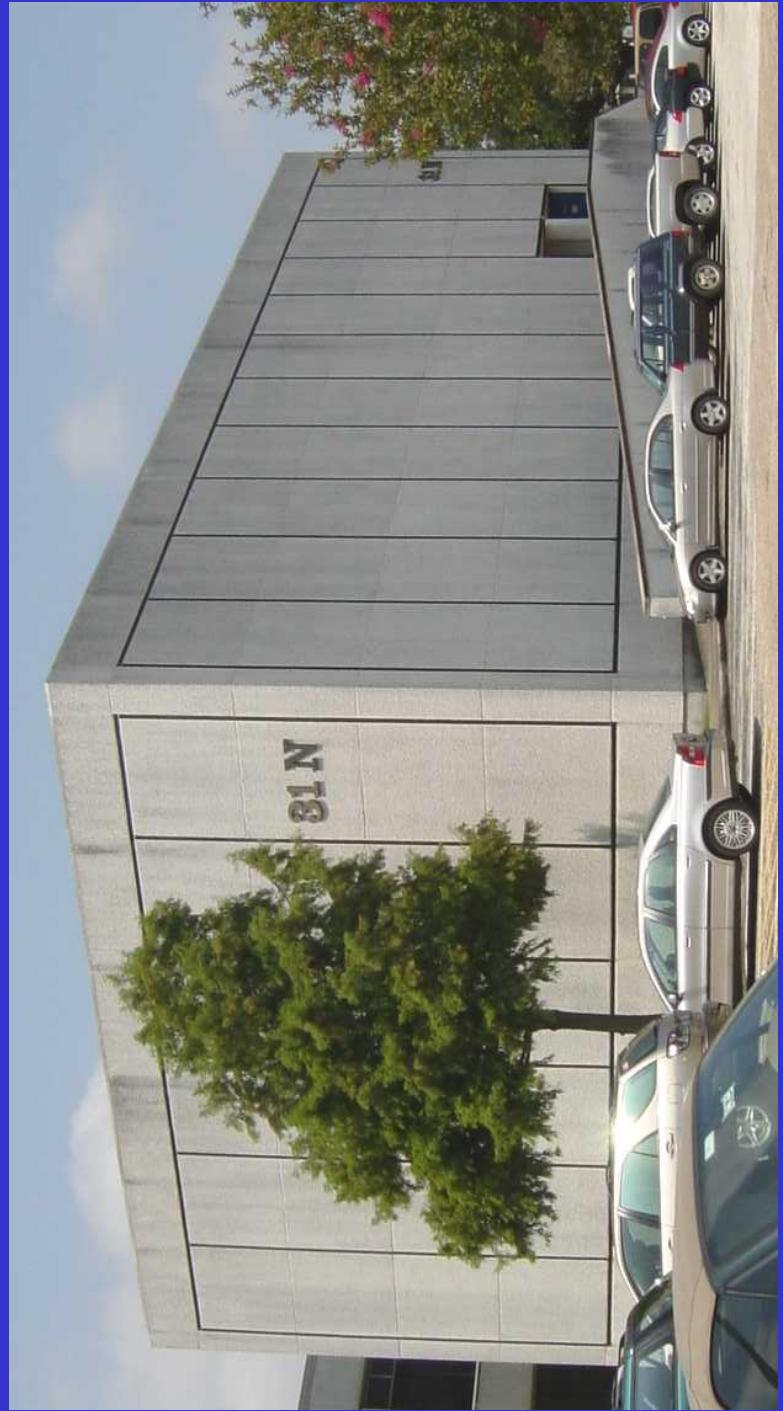
**Apollo lunar samples**

**Genesis – solar wind ions**

**Meteorites from Antarctica**

**Stardust – comet and interstellar grains**

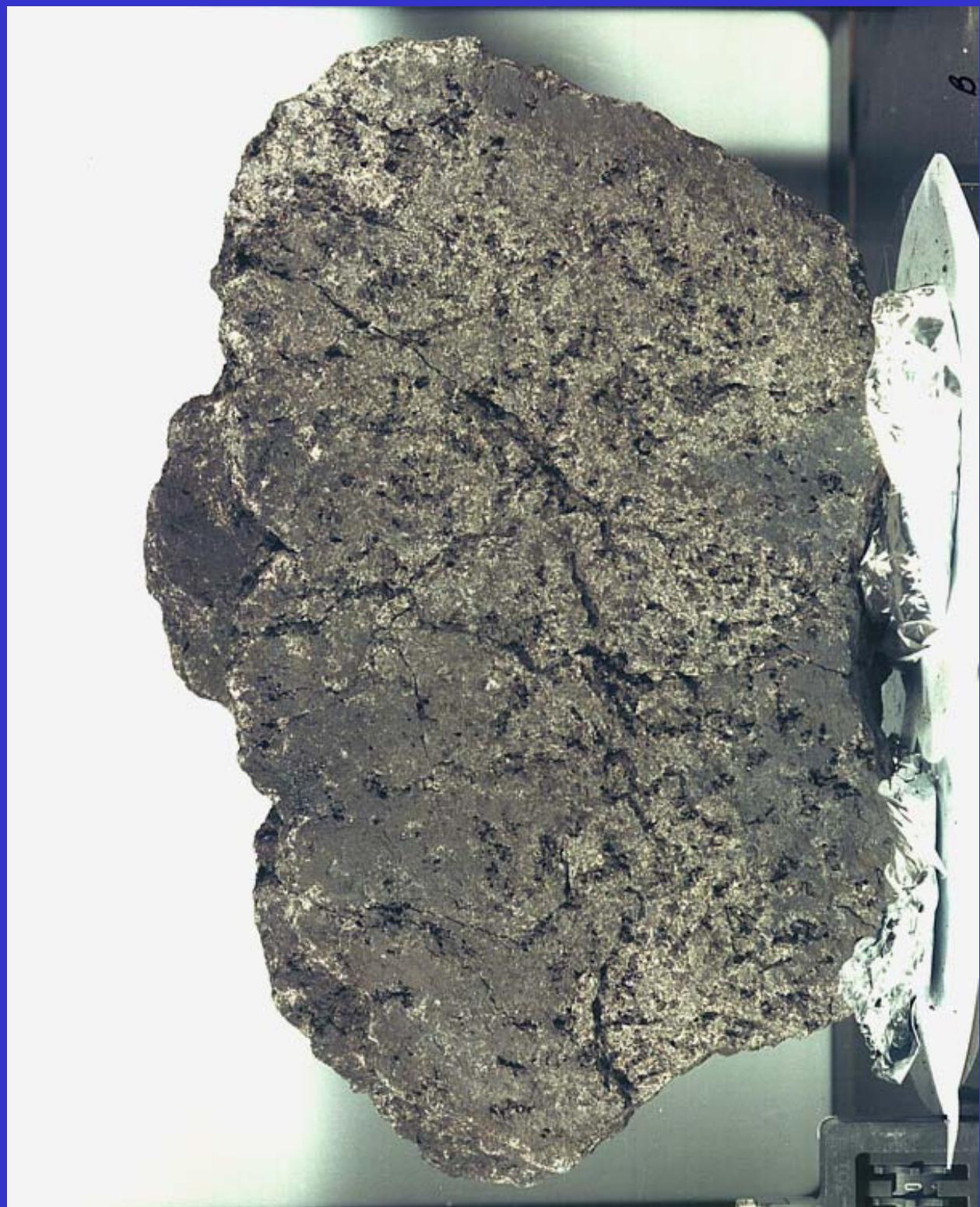
**“Cosmic dust” from the stratosphere**



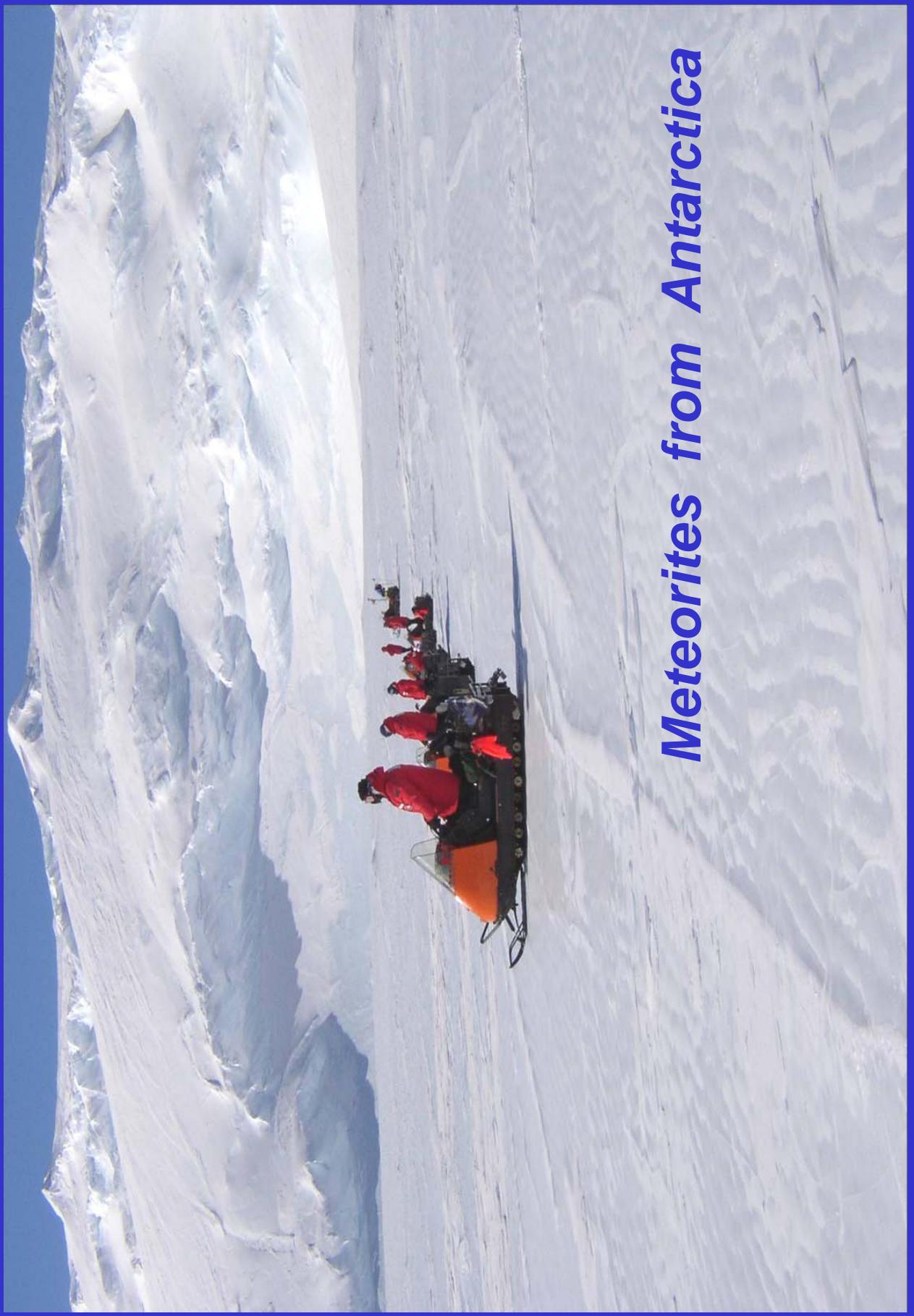
# *Apollo lunar samples*







# *Meteorites from Antarctica*











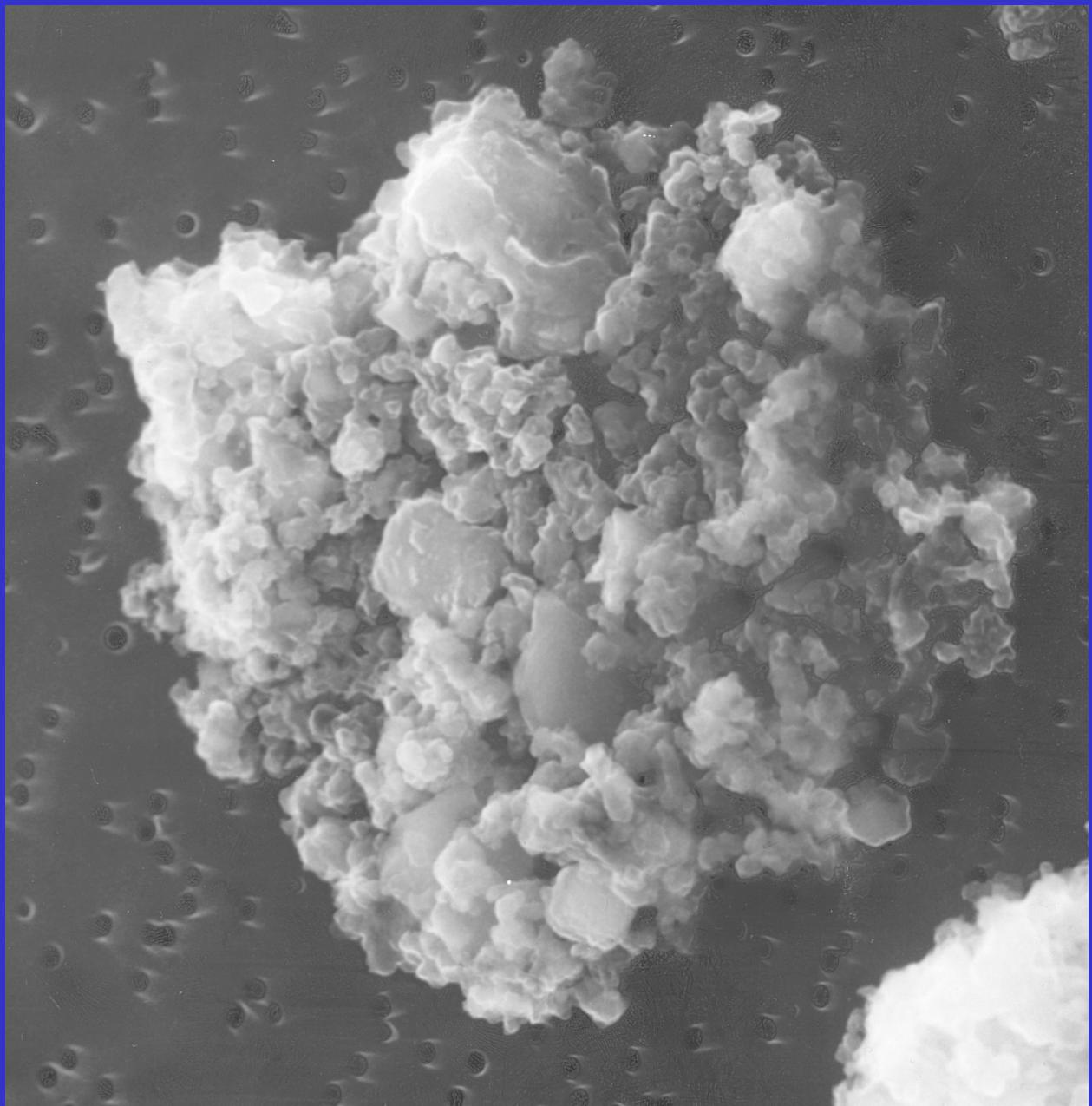
**“Cosmic dust” from  
the stratosphere**



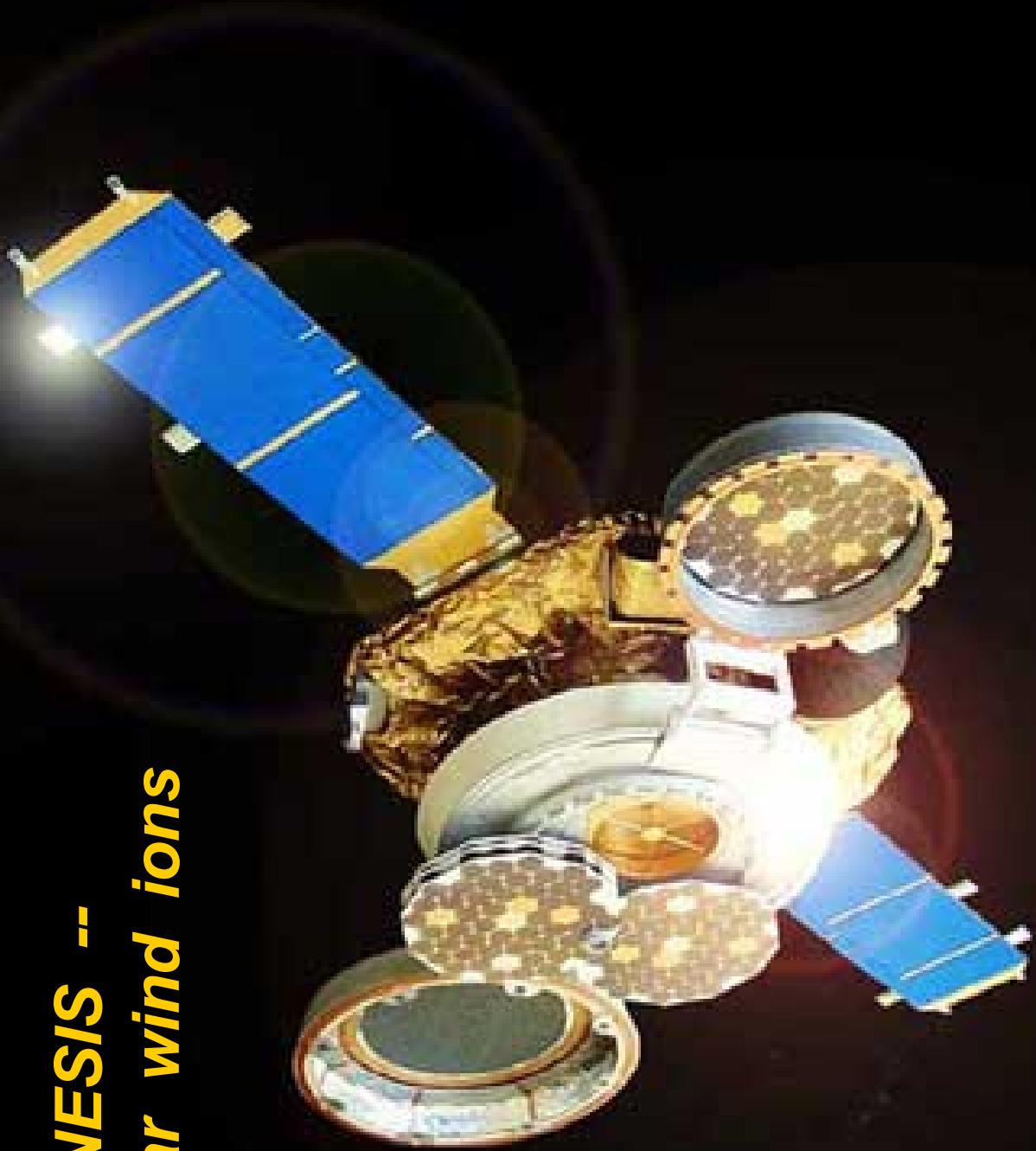


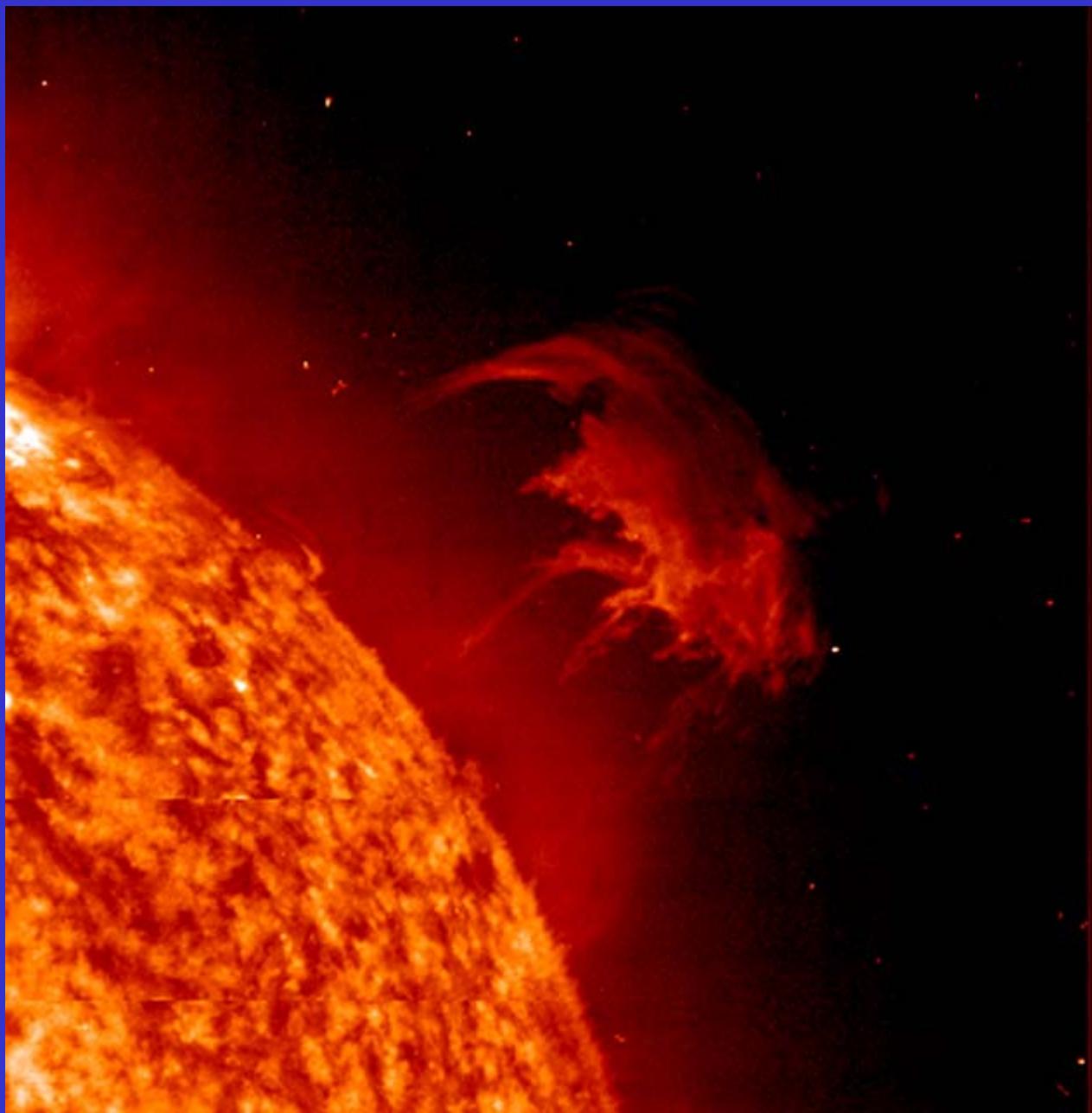






**GENESIS --**  
*solar wind ions*





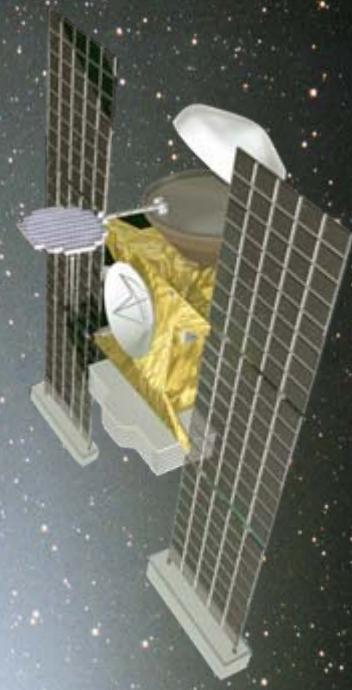








# STARDUST -- comet and interstellar grains



JAN 15 2006







# Genuine Cometary Olivine

0.5  $\mu$ m

# Space - Exposed Hardware

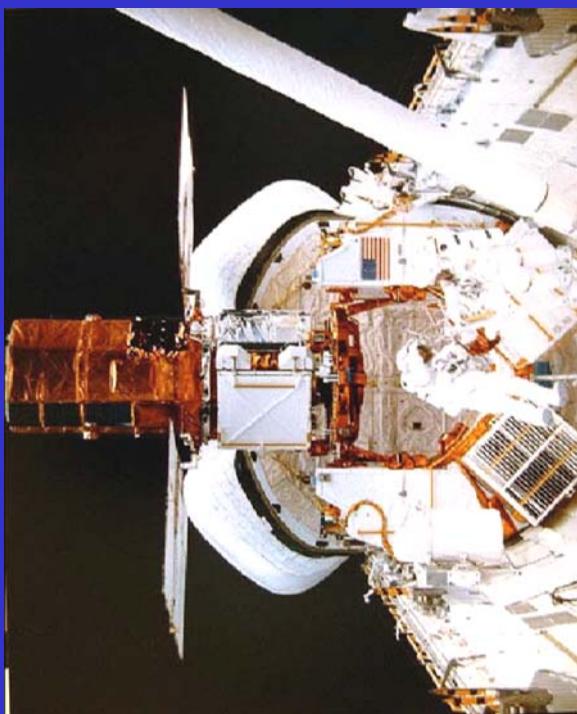
Surveyor 3



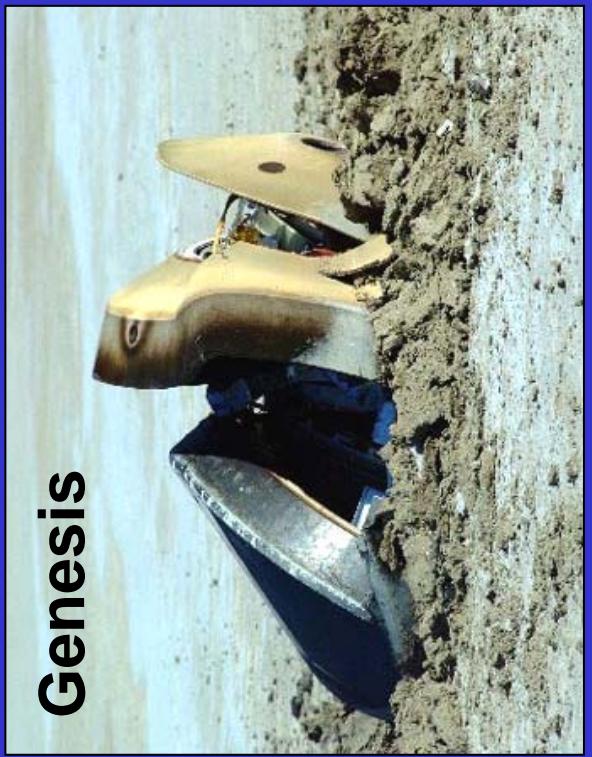
LDEF



Solar  
Max



Genesis



Stardust

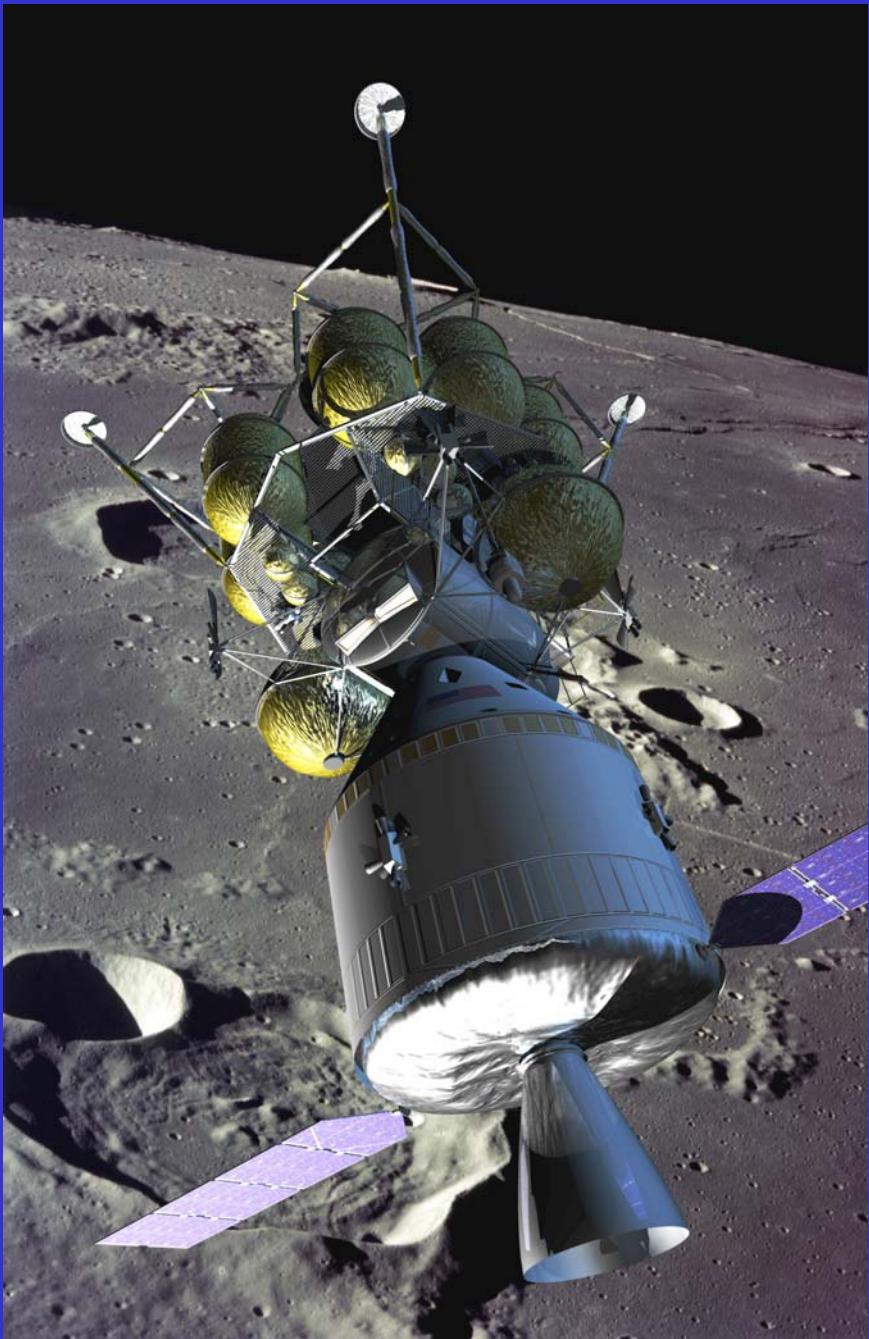


*Unique resources to support Exploration*

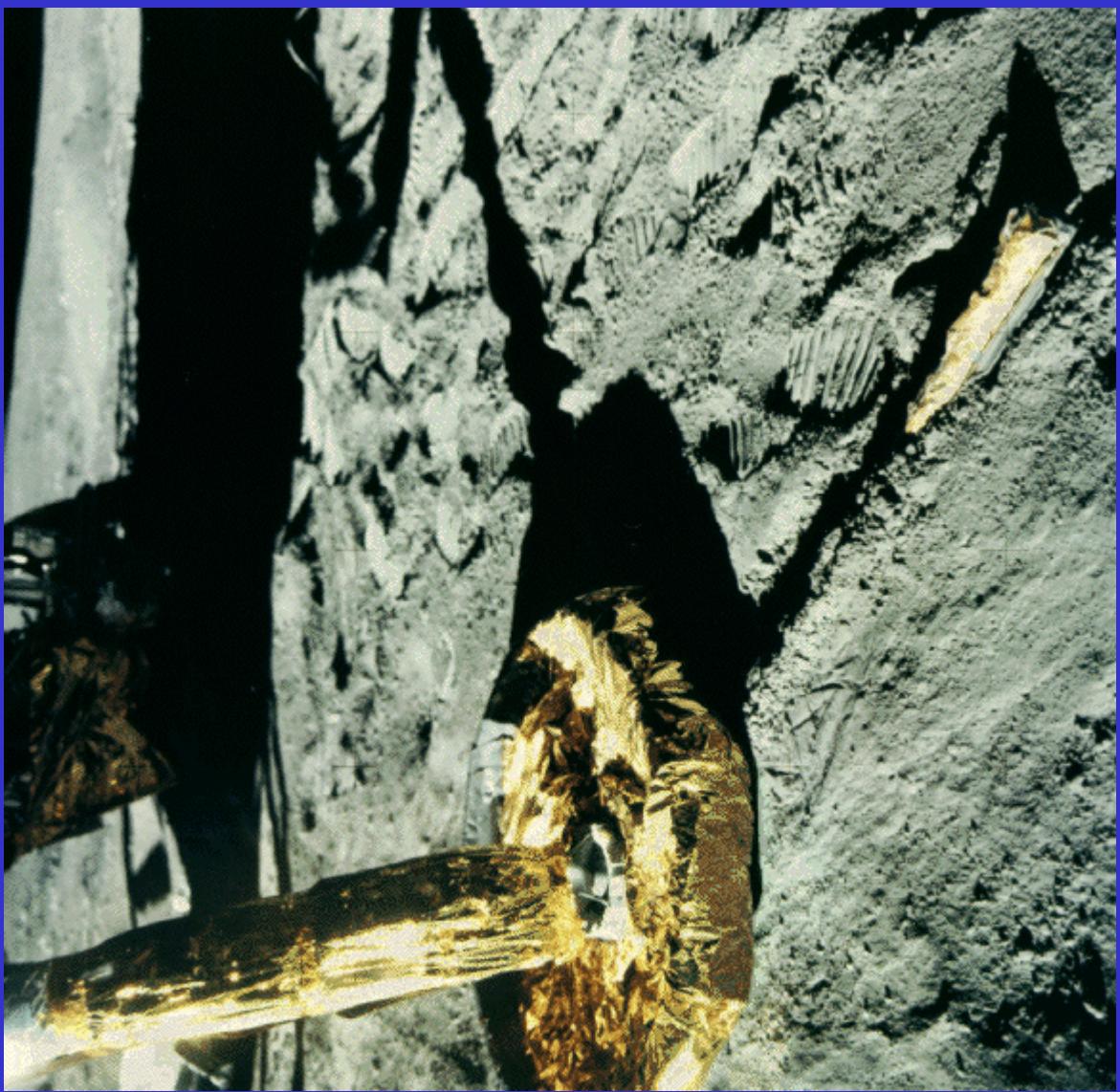
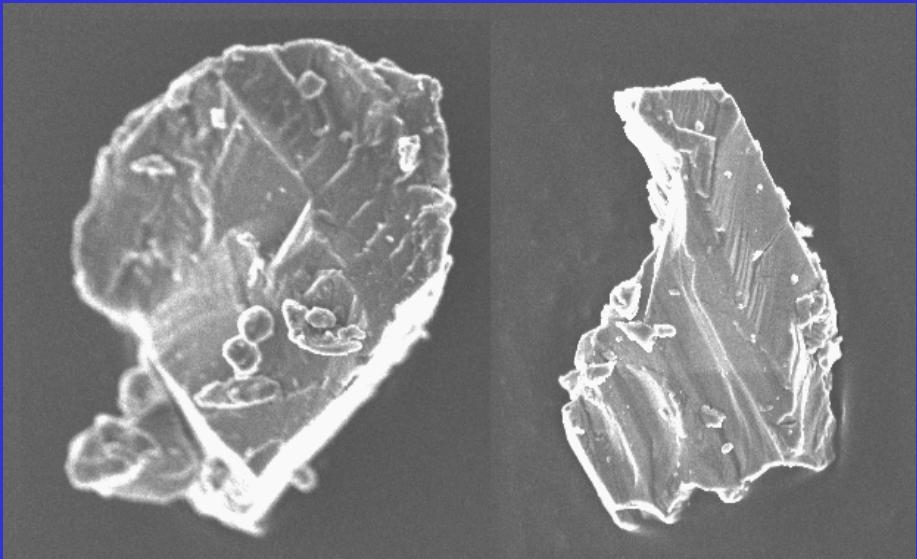
**“Ground truth” for science at the Moon**



# Spacecraft performance assessment and validation



# Lunar soil as a resource and a hazard



# Training the explorers



# Educating the next generation

